		receive in interest after one year?
	(b)	Anne earns \$220 a week from her part-time job. If she was given a 15% pay rise, how much does she
		earn each week?
6.	A ba	g has 7 yellow counters, 3 red counters and 4 blue counters. If one counter is selected at random, what
	is the	e probability of selecting:
	(a)	a yellow counter (b) a blue counter (c) a counter that is not red
7.	(a)	In a university college the ratio of men to women is 2 : 3. If there are 2000 students in the college,
		how many women are there?
	(b)	In an orchard the ratio of orange trees to lemon streets is 7 : 4. If there are 2 800 lemon trees, how
		many orange trees are there?
8.	Solv	
	(a)	x + 7 = 1 (b) $a - 9 = 3$ (c) $-3a = 12$
	(d)	x + 7 = 1 (b) $a - 9 = 3$ (c) $-3a = 12\frac{x}{4} = 2 (e) 8x + 5 = 37 (f) 5a - 3 = 15$
9.	Sim	plify each of the following ratios:

(c) 2kg : 800g

If Debbie can run 400 metres in 66 seconds, calculate her speed in m/s, to 1 decimal place.

Assignment 1

(b)

(d)

(c)

(b)

(e)

Expand each of the following and collect the like terms:

5a - 15ab

Write 15% as a fraction in its simplest form

-7p - 2p + 6p

9x - 3 + 12 - 4x

2y(y+3) + 5(4-y)

4(m-2)-3(m-4)

 $3x^2 - 12x$

A savings account pays 4% interest each year. If Jake puts \$500 into his account, how much does he

(d)

10mm: 1m

(c)

u + 7u - 5w

Date Due:

Year 9 Mathematics

(a)

(c)

(a)

(a)

(b)

(c)

(d)

(e)

(a)

2.

3.

4.

5.

10.

Simplify:

3a + 2a - a

2y + 8

4:10

 $8a^3 - 5a^2 + 3a^3 - 4a^3$

3(a+5) + 2(a+3)

k(2-k) - k(5+k)

Factorise each of the following:

Find 75% of 3 500kg

Find 2% of \$21

(b)

Write 1.625 as a percentage

Change 0.55 to a percentage

(b)